

Methods of Impact Measurement

Presentation by
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Recent trends

- Since 2008 a series of microfinance impact studies with experimental design (randomized control trial)
- Suggest that microfinance has
 - only very limited effect on poverty reduction
 - No statistically significant effect on Human Development Measures (women empowerment, child health, participation in and spending on children education)
- Does microfinance have impact?
- however, results are consistent with idea that impact happens in stages, where noneconomic changes happen only at the end





Challenges in measuring impact

- Main challenge: Selection Bias
- In order to measure impact a treatment group and a control group is necessary
- Control group is needed to count for the counterfactual (what would have happened if the customer had not obtained any microfinance services?)
- Taking non-clients as control group has an inherent selection bias (microfinance clients could be better off than non-clients because they are more entrepreneurial)
- Selection bias overstates the measured impact





Evaluation Methods (Pros and Cons)

- Three evaluation methods: experimental design, quasi-experimental and non-experimental.
- More recent studies use experimental design, which eliminates the selection bias: Randomized Controlled Trial (RCT)

	Experimental	Quasi-Experimental	Non-experimental
Characteristics	 Assigns households randomly to treatment and control groups in advance of applying the treatment The control group is denied access to financial services E.g. GTZ Philippines 	 Attempt to eliminate selection bias through statistical strategies E.g. GTZ Sri Lanka 	 Include qualitative studies which do not attempt to identify treatment or comparison groups Does not necessarily show impact but quality of daily life E.g. "Portfolios of the Poor", using financial diaries

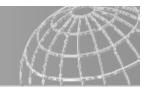




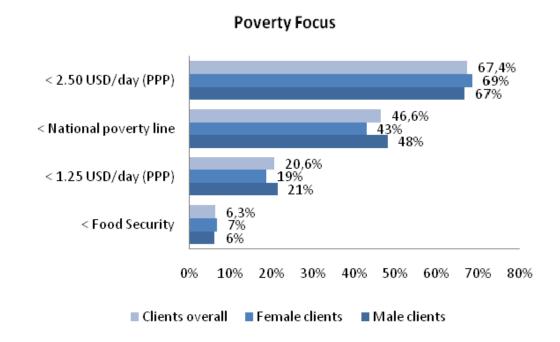
Evaluation Methods (Pros and Cons) (cont'd)

	Experimental	Quasi-Experimental	Non-experimental
Pros	Eliminates selection bias	 Can be conducted after programme already in place Conclusions tend to be more widely applicable than experimental design studies 	 Quick and inexpensive Can complement quanitative research
Cons	 Assignment to treatment group in advance Very limited time horizon Not possible in every situation, e.g in countries such as Bangladesh or Sri Lanka with high microfinance outreach Expensive Possible ethical issues 	 Statistically challenging to overcome selection bias Not certain if selection bias is eliminated 	 The counterfactual not addressed, since no control group Selection bias not addressed





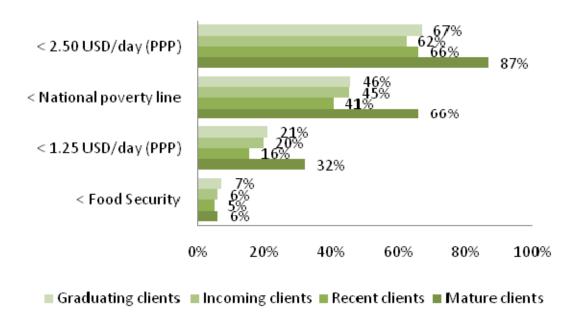
Innovative tools to measure poverty and change on poverty







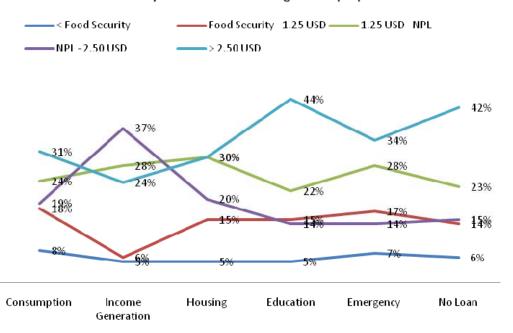
Client graduation







Poverty Distribution according to loan purpose







Conclusions

- > Methods to be applied depend on the country and project context
- > So far impact assessment is focusing mainly on micro credit.
- Impact of savings, insurance and money transfer still to be addressed (e.g. MIPSS in Philippines)
- Innovative (quick and dirty) tools to measure poverty and changes on poverty are becoming more popular (e.g. Progress out of Poverty Index)





Annex: Results from recent experimental impact survey in India

- Business profits:
 - double as high as in control group but not statistically significant
- Household expenditures:
 - spending on durables in a business 127% higher than in control group
 - 10.7% drop in temptation spending (alcohol, tobacco, gambling, food and tea outside home)
- Human Development Measures:
 - no statistically significant effects on women empowerment, child health, participation in and spending on children education
 - however the time horizon was only 15-18 months